

Mouse Synaptotagmin-2 (SYT2) ELISA Kit | SYT2 elisa kit

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CATALOG #
AAA332314

REACTIVITY
Mouse

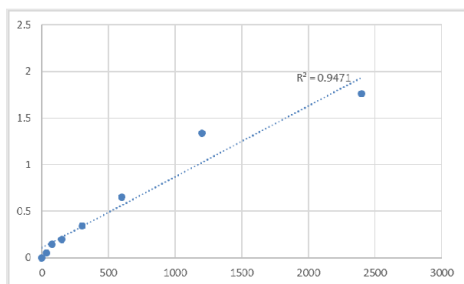
PRODUCT SYNONYMS

Synaptotagmin-2 (SYT2); Mouse Synaptotagmin-2 (SYT2) ELISA Kit; SYT2; FLJ42519; SytII; synaptotagmin 2; SYT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Synaptotagmin-2 (SYT2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse SYT2. No significant cross-reactivity or interference between Mouse SYT2 and analogues was observed.
Sequence Length	422
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Synaptotagmin-2 (SYT2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for SYT2 elisa kit	Description: This Mouse Synaptotagmin-2 (SYT2) ELISA Kit employs a two-site sandwich ELISA to quantitate SYT2 in samples. An antibody specific for SYT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SYT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SYT2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SYT2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: SYT2 encodes a synaptic vesicle membrane protein. The encoded protein is thought to function as a calcium sensor in vesicular trafficking and exocytosis. Mutations in SYT2 are associated with myasthenic syndrome, presynaptic, congenital, with or without motor neuropathy. Alternative splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31543797
NCBI GeneID	20980
NCBI Accession #	NP_033333.2
NCBI GenBank Nucleotide #	NP_033333.2
UniProt Accession #	P46097
NCBI Official Full Name	synaptotagmin-2
NCBI Official Synonym Full Names	synaptotagmin II
NCBI Official Symbol	Syt2
NCBI Official Synonym Symbols	IP4BP; sytII; R74640; mKIAA4194
NCBI Protein Information	synaptotagmin-2
UniProt Protein Name	Synaptotagmin-2
UniProt Gene Name	Syt2
UniProt Synonym Gene Names	SytII
UniProt Entry Name	SYT2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.